

**AMENDMENTS TO CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) An isolated nucleotide sequence ~~comprising~~ consisting of a portion of the human alpha-7 neuronal nicotinic receptor, set forth as nucleotides 1-392 of SEQ ID NO:94.

2. (previously canceled)

3-4. (currently canceled)

5. (currently amended) A vector comprising ~~a nucleotide sequence, wherein the nucleotide sequence comprises~~ the nucleotide sequence of Claim 1.

6. (currently amended) ~~A host~~ An isolated host cell transformed with the vector of Claim 5.

7. (currently amended) The host cell of Claim 6, wherein said cell is selected from the group consisting of ~~bacteria, yeast, amphibian, and mammalian cells~~ a bacterial cell, a yeast cell, an amphibian cell and a mammalian cell.

8. (currently canceled)

9 - 25. (previously canceled)

26- 28. (currently canceled)

29. (new) An isolated nucleotide sequence consisting of a 5' portion of the human alpha-7 neuronal nicotinic receptor and exon 1, as set forth as nucleotides 1-447 of SEQ ID NO:94.

30. (new) An isolated nucleotide sequence consisting of a 5' portion of the human alpha-7 neuronal nicotinic receptor, exon 1, and the intron 1 splice donor, as set forth as nucleotides 1-457 of SEQ ID NO:94.